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A SIMULATION OF THE IPS VARIATIONS FROM A
MAGNETOHYDRODYNAMICAL SIMULATION

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Calculations of the variations of
interplanetary scintillation (IPS) from a disturbance
simulated by a 3-dimensional magnetohydrodynamical
(MHD) model of the solar wind are presented. The
simulated maps are compared with observations and it is
found that the MHD model reproduces the qualitative
features of observed disturbances. The disturbance
produced by the MHD simulation is found to correspond
in strength with the weakest disturbances which can be
reliably detected by existing single station IPS
observations.